

(19) World Intellectual Property
Organization
International Bureau



Express Mail EV654384645US



(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/061082 A2

- (51) International Patent Classification⁷: C12N (74) Agents: CORLESS, Peter, F., et al.; Edwards & Angell, LLP, P.O.Box 9169, Boston, MA 02209 (US).
- (21) International Application Number: PCT/US2003/041127 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 26 December 2003 (26.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/436,763 27 December 2002 (27.12.2002) US (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
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Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FANC GENE MUTATIONS IN CANCER

(57) Abstract: The present invention relates to methods of determining if a patient has cancer or is at increased risk of developing cancer, particularly pancreatic cancer, the method comprising testing a FANC gene for the presence of a cancer-associated coding change, wherein said presence of one or more cancer-associated coding changes is indicative of cancer or an increased risk of cancer in said patient. The invention further relates to methods of treating a patient having cancer, particularly pancreatic cancer, who has one or more cancer-associated coding changes in the FANC genes comprising the step of administering a therapeutically effective amount of a chemotherapeutic cross-linking agent.

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